

The following claims are presented for examination:

**1.** (Previously Presented) A method comprising:  
populating a cache with a resource only when at least  $i$  requests for said resource have been received;  
wherein  $i$  is an integer and is at least occasionally greater than one.

**2-7.** (Canceled)

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**8.** (Previously Presented) A data processing system comprising:  
a cache for storing a resource; and  
a processor for populating said cache with said resource only when at least  $i$  requests for said resource have been received;  
wherein  $i$  is an integer and is at least occasionally greater than one.

**9-10.** (Canceled)

**11.** (Original) The data processing system of claim 8 wherein said cache is populated with said resource only when at least  $i$  requests for said resource have been received within an elapsed time interval,  $\Delta t$ .

**12.** (Original) The data processing system of claim 8 wherein the duration of said elapsed time interval,  $\Delta t$ , is based on the value of  $i$ .

**13-14.**

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**15.** (Previously Presented) A method comprising:  
receiving at a first node in a computer network at least one request for a resource;  
retrieving said resource from a second node in said computer network; and  
populating a cache in said first node with said resource only when at least  $i$  requests for said resource have been received at said first node;  
wherein  $i$  is an integer and is at least occasionally greater than one.

**16-21.** (Canceled).

**22.** (Original) The method of claim 15:  
wherein said computer network is a hierarchical computer network and said first node has  $m$  filial nodes;

wherein said cache is populated with said resource only when at least one request for said resource has been received from at least  $n$  of said  $m$  filial nodes; and

wherein  $m$  is an integer greater than one,  $n$  is an integer greater than one, and  $m \geq n$ .

**23.** (Original) The method of claim 15:

wherein said computer network is a hierarchical computer network and said first node has  $m$  filial nodes;

wherein said cache is populated with said resource only when at least one request for said resource has been received from at least  $n$  of said  $m$  filial nodes within an elapsed time interval,  $\Delta t$ ; and

wherein  $m$  is an integer greater than one,  $n$  is an integer greater than one, and  $m \geq n$ .

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**24.** (Previously Presented) A first node in a computer network, said first node comprising:

a cache;

at least one receiver for receiving at least one request for a resource; and

a processor for retrieving said resource from a second node in said computer network, and for populating said cache in said first node with said resource only when at least  $i$  requests for said resource have been received at said first node;

wherein  $i$  is an integer and is at least occasionally greater than one.

**25-26.** (Canceled)

**27.** (Original) The first node of claim 24 wherein said cache is populated with said resource only when at least  $i$  requests for said resource have been received within an elapsed time interval,  $\Delta t$ .

**28.** (Original) The first node of claim 27 wherein the duration of said elapsed time interval,  $\Delta t$ , is based on the value of  $i$ .

**29-30.** (Canceled)

**31.** (Original) The first node of claim 24:

wherein said computer network is a hierarchical computer network and said first node has  $m$  filial nodes;

wherein said cache is populated with said resource only when at least one request for said resource has been received from at least  $n$  of said  $m$  filial nodes; and

wherein  $m$  is an integer greater than one,  $n$  is an integer greater than one, and  $m \geq n$ .

**32.** (Original) The first node of claim 24:

wherein said computer network is a hierarchical computer network and said first node has  $m$  filial nodes;

wherein said cache is populated with said resource only when at least one request for said resource has been received from at least  $n$  of said  $m$  filial nodes within an elapsed time interval,  $\Delta t$ ; and

wherein  $m$  is an integer greater than one,  $n$  is an integer greater than one, and  $m \geq n$ .